==========

MOVING HEAD BEAM 2R

==========

USER MANUAL

CONTENTS

1 FEATURES

2 SAFETY INSTUUCTIONS

3 DMX-512 control connection

4 Projector DMX start address selection

5 DMX channel details

6 .CLEANING AND MAINTENANCE

PLEASE KEEP THIS MANUAL FOR FUTURE NEEDS

Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.
In order to install, operate, and maintain the lighting safety and correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

CAUTION!

Keep this device away from rain and moisture ! And unplug mains lead before opening the housing.

Every person involved with the installation, operation and maintenance of this device has to:
-be qualified
-follow carefully the instructions of this manual INTRODUCTION:

Thank you for having chosen this professional moving head. You will find out it is a powerful and versatile device.

Unpack the device. Inside the box you should find:

1. One XLR connection cable
2. Two omega clamps
3. One safety rope
4. Manual
5. One warranty card and certification

Please check carefully that there is no damage caused by transportation. Should there be any, consult your dealer and don't inst

1 FEATURES

- ✧ • Voltage: AC110V-240V,50-60HZ.
- ✧ • Power:150W
- ✧ • Light source: PHILPS 2R or CHINESE LAMP 2R

- • Color temperature: 6800K±300K
- • Span life: 2000 hours.
- • Control Mode:DMX mode/Auto mode/Master-slave mode/sound active
- • DMX channel: 16 channels.
- • Luminous flux: 180.000lux at 10 meters,spot diameter :70cm
- 55000lux at 20meters,spot diameter :150cm
- • Pan/Tilt:540°/270°(16bit),electric correction,with auto-correction function
- • Color: 13 colors+ white
- • Gobo wheel: 14 static gobos +open; High speed shake effect.
- • Prism : 8-facet rotation prism
- • Focus: Optical focus
- • Beam angle: 1° to 3.8°
- . Frost .
- • Dimmer: 0-100% linear dimmer, with 16 bit resolution adjustment
- • Strobe : 0-13 times/s,with mechanical shutter and adjustable speed strobe effect.
- • IP rated: IP20
- • Display:LCD display.
- • Body Size:45x31x25cm
- • G.W: 16KGS
- • Certificate:CE /RoHS

2 SAFETY INSTUUCTIONS

.1) Important safety warnings

CAUTION!

Be careful with your operations. With a dangerous voltage you can Suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

If protection screen,lens or ultraviolet screen in the fixture is apparently damaged or is damaged to exceed their own effective degree, such as cracked and gashed, it must be replaced.

The electric connection must carry out by qualified person.

Make sure the available voltage is not higher than that is stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don’t project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

CAUTION!

Never touch the device during operation! The housing may heat up.

CAUTION!

CAUTION!Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.

.2)GENERAL GUIDELINES

This device is a lighting effect for professional use on stages, in discotheques, theater etc., the device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device.Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances.The minimum distance between light-output from the projector and the illuminated surface must be more than 15 meters.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden.

If this device was damaged because of improper operation that is different from the instruction as described in this manual, then the product would not enjoy the guaranteed warranty. Furthermore, any incorrect operation may cause accidents, such as short-circuit, bums, electric shock, lamp explosion etc..

3 DMX-512 control connection

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

4 Projector DMX start address selection

All fixtures should be given a DMX starting address when using a DMX signal, so that the correct fixture responds to the correct control signals. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control information sent out from the DMX controller. The allocation of this starting address is achieved by setting the correct number on the display located on the base of the device.

You can set the same starting address for all fixtures or a group of fixtures, or make different address for each fixture individually.

System Setting	Dmx Address Lamp Control Lamp power No signal Pan Reverse Tilt Reverse Microphone level Factory Setting	A001~AXXX ON/OFF ON/OFF Close//Hold /Sound Mode /Auto ON/OFF ON/OFF XX% ON/OFF
Information	Current Hours Life Hours Last Run Hours Timer Password Clear Time Temperature	XXXX(Hours) XXXX(Hours) XXXX(Hours) Password=XXX ON/OFF XXc
Reset	Reset All Reset Scan Reset Other	
Manual Control	Manual DMX	PAN =XXX :
	Fix Position	Password =XXX PAN=XXX :
	Ineral Program	Master / Alone :

5 DMX channel chart in details

Channels´ chart - 16 channels (channel / value / function):		
Channels	**Value**	**Function**
1		**PAN 8bit:**
	0-255	Pan Movement
2		**Pan Fine 16bit:**
	0-255	Fine control of Pan movement
3		**TILT 8bit:**
	0-255	Tilt Movement
4		**Tilt Fine 16bit:**
	0-255	Fine control of Tilt movement
5		**Scan Speed:**
	0-255	max to min speed
6		**Shutter, strobe:**
	0-31	Shutter closed
	32-63	shutter open
	64-95	Strobe effect slow to fast
	96-127	shutter open
7		**Dimmer intensity:**
	0-255	Intensity 0 to 100%
8		**Internal Programs:**
	0-31	No function
	32-63	Internal program 1
	64-95	Internal program 2
	96-127	Internal program 3
	128-159	Internal program 4
	160-191	Internal program 5
	192-223	Internal program 6
	224-255	Internal program 7
9		**Color Wheel:**
	0-8	Open / white
	9-17	Color1
	18-26	Color2
	27-35	Color3
	36-44	Color4
	45-53	Color5
	54-62	Color6

	63-71	Color7
	72-80	Color8
	81-89	Color9
	90-98	Color10
	99-107	Color11
	108-116	Color12
	117-127	Color13
	128-189	Forwards rainbow effect from fast to slow
	190-193	No rotation
	194-255	Backwards rainbow effect from slow to fast
10		**Color Wheel:**
	0-250	No function
	251-255	Half color effect
11		**Fixed gobos, cont. rotation**
	0-7	Open
	8-15	Rot. gobo 1
	16-23	Rot. gobo 2
	24-31	Rot. gobo 3
	32-39	Rot. gobo 4
	40-47	Rot. gobo 5
	48-55	Rot. gobo 6
	56-63	Rot. gobo 7
	64-71	Rot. gobo 8
	72-79	Rot. gobo 9
	80-87	Rot. gobo 10
	88-95	Rot. gobo 11
	96-103	Rot. gobo 12
	104-111	Rot. gobo 13
	112-119	Rot. gobo 14
	120-126	Rot. gobo 1 shake
	127-133	Rot. gobo 2 shake
	124-140	Rot. gobo 3 shake
	141-147	Rot. gobo 4 shake
	148-154	Rot. gobo 5 shake
	155-161	Rot. gobo 6 shake
	162-168	Rot. gobo 7 shake
	169-175	Rot. gobo 8 shake
	176-182	Rot. gobo 9 shake
	183-189	Rot. gobo 10 shake
	190-196	Rot. gobo 11 shake
	197-203	Rot. gobo 12 shake

	204-210	Rot. gobo 13 shake
	211-217	Rot. gobo 14 shake
	218-255	Fixed gobo wheel cont. rotation slow to fast
12		**Prism:**
	0-127	Open
	128-255	prism open
13		**Rotating prism:**
	0-7	No function
	8-127	Forwards prism rotation from fast to slow
	128-135	No rotation
	136-255	Backwards prism rotation from slow to fast
14		**Focus Control:**
	0-255	Intensity 0 to 100%
15		**Lamp Contorl:**
	0-99	No function
	100-110	Lamp switch off
	111-199	No function
	200-210	Lamp on
	211-255	No function
16		**Lamp on/off, reset, internal programs:**
	0-250	No function
	250-255	Reset whole fixture

6 .CLEANING AND MAINTENANCE

The following points have to be considered during the inspection:

All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.

There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).

Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.

The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.CAUTION!

CAUTION!

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.Clean the fan each week.To make sure the smooth gobo rotation, we suggest adding proper lube to the wheel each three month, avoiding the excessive lube splashes during the gobo rotating

A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device except for the lamp. Please refer to the instructions under “Installation instructions

Should you need any spare parts,please order genuine parts parts from your local dealer